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September 2, 2016

Ms. Lori Simmons Arkansas Department of Health 4815 West Markham Street Little Rock, Arkansas 72205 Via email Lori.Simmons@arkansas.gov

Re: Georgia-Pacific, Crossett Mill - Biweekly Air Monitoring Report for Hydrogen Sulfide

Dear Ms. Simmons,

Following is the biweekly data summary for the Georgia-Pacific (GP) hydrogen sulfide (H₂S) and meteorological monitoring program, at the GP Crossett mill, covering the calendar period of July 27th through August 9th.

Summary of Results

Included in this report are three plots presenting H₂S concentrations calculated with varied rolling average periods (30-minute, 8-hour, and 24-hour).

Also included in this report is a summary of results from the daily 1-point QC checks performed during this biweekly period. The QAPP establishes goals for precision and bias as a coefficient of variation (CV) <10% and \pm 10%, respectively. Precision and bias are calculated in accordance with 40 CFR Part 58 Appendix A, Section 4.1.

There was a single occurrence of data loss during this two week period, in addition to those resulting from automated daily 1-point QC and weekly calibration checks. On August 3rd, a manual zero adjustment was performed on account of zero-drift, this adjustment resulted in approximately 30 minutes of invalid H₂S data. Results for all available automated daily 1-point QC checks fall within the acceptable range, indicating the H₂S monitor was operating in accordance with the QAPP.

Fourteen-day time series plots for all recorded meteorological (met) parameters are presented in the final table. All met parameters have 100% data capture for this report period.

Please feel free to contact me if you have any questions or need any additional data.

Sincerely,



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Jonathan Bowser

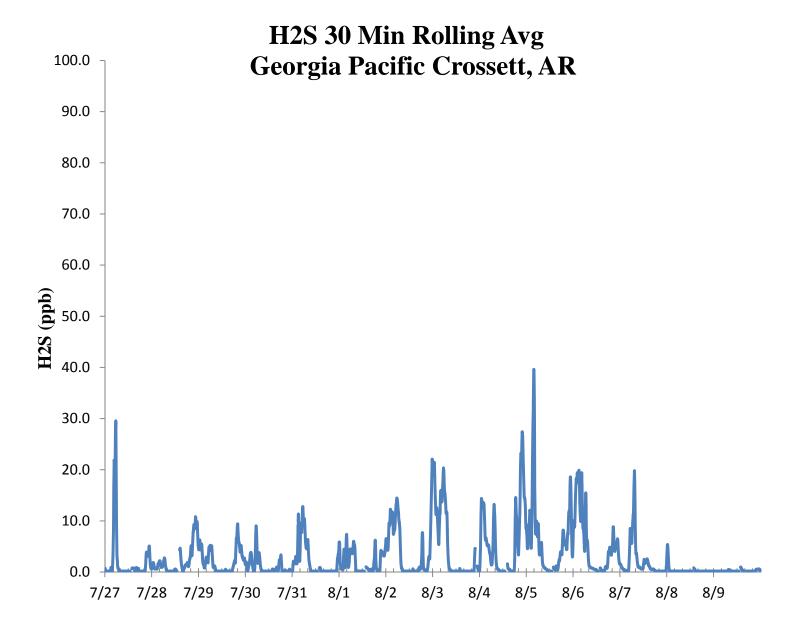
Manager, Air Quality and Meteorological Monitoring

Air Measurements – Gainesville Office 6312 NW 18th Drive, Suite 100 Gainesville, Florida 32653 (352) 260-1162

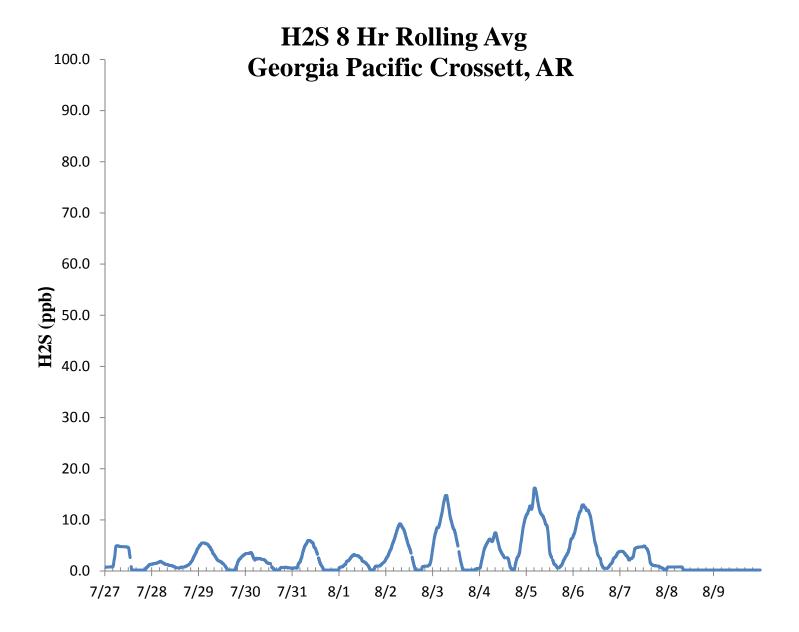
Email: jbowser@trcsolutions.com

CC: Becky Keough, ADEQ Director via email: keogh@adeq.state.ar.us Kara Allen, Environmental Engineer, USEPA Region 6 via email Allen.Kara@epa.gov

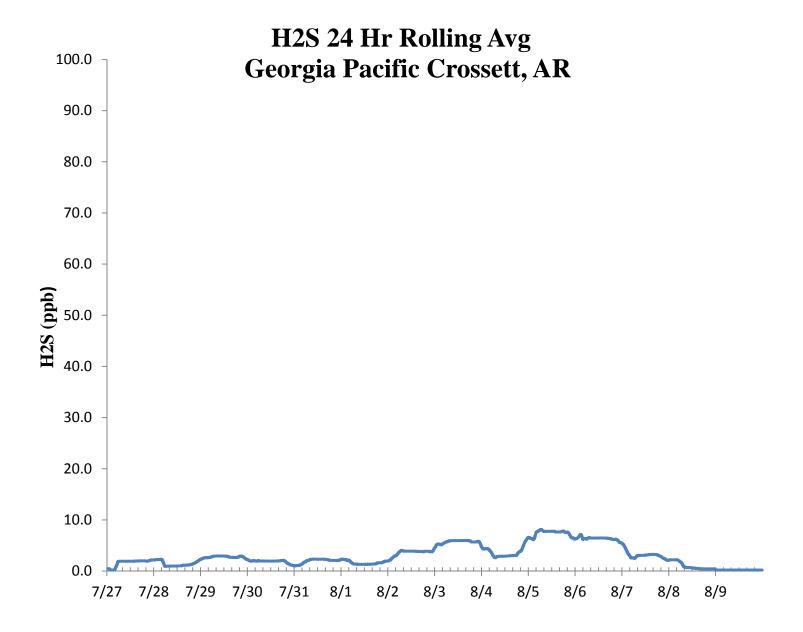














					H_2S	Asse	ssment	;					
Gl	P - Crossett, AF	<u> </u>	Pollutant type: H ₂ S						CV _{ub} (%)		Bias (%)		
Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d²	d	d ²						
7/27/2016 13:00	70.9	70.0	1.3	1.179	1.653	1.286	1.653						
7/28/2016 13:00	71.5	70.0	2.1	75th Percentile	4.592	2.143	4.592	n	S _d	S _{d2}	∑ d	"AB" (Eqn 4)	
7/29/2016 13:00	72.6	70.0	3.7	3.714	13.796		13.796	14	1.359	6.744	33.714	2.40	
7/30/2016 13:00	72.4	70.0	3.4		11.755	3.429	11.755	n-1	∑d	$\sum d^2$	$\sum \mathbf{d} ^2$	"AS" (Eqn 5)	
7/31/2016 13:00	72.9	70.0	4.1		17.163	4.143	17.163	13	33.714	105.184	105.184	1.35	
8/1/2016 13:00	72.7	70.0	3.9		14.878	3.857	14.878						
8/2/2016 13:00	72.6	70.0	3.7		13.796	3.714	13.796				Bias (%) (Eqn 3)	Both Signs Positive	
8/3/2016 13:00	72.9	70.0	4.1		17.163	4.143	17.163				3.05	TRUE	
8/4/2016 13:00	71.2	70.0	1.7		2.939	1.714	2.939		CV (%) (Eqn 2)		Signed Bias (%)	Both Signs Negativ	
8/5/2016 13:00	71.4	70.0	2.0		4.000	2.000	4.000		1.85		+3.05	FALSE	
8/6/2016 13:00	70.8	70.0	1.1		1.306	1.143	1.306						
8/7/2016 13:00	70.4	70.0	0.6		0.327	0.571	0.327		Upper Probabili	ity Limit	Lower Probabilit	y Limit	
8/8/2016 13:00	70.5	70.0	0.7		0.510	0.714	0.510		5.07		-0.25		
8/9/2016 13:00	70.8	70.0	1.1		1.306	1.143	1.306						
							15.0						
							10.0 5.0 0.0 -5.0 -10.0 -15.0	<u></u>					



Meteorological Summary 20.0 WS(m/s) UVWD(deg) 40.0 Temp(C) -10.0 27 S Theta(deg) 5.0 Delta Temp(C) -5.0



